Please add new Claims 65 and 66 as follows.

65. (New) A stage unit comprising:

a planar motor according to claim 10; and

a stage member connected with the mover.

66. (New) A driving method that drives a stage unit comprising a planar motor which comprises a stator having a coil and a mover having a magnetic flux generator, and which moves the mover on a movement plane, and a stage member moving as one entity with the mover,

wherein upon moving the stage member is used a driving method of a planar motor according to claim 42.

IN THE ABSTRACT

Please amend the abstract on page 95 as follows:

ABSTRACT

By measuring respective inductances of coils that a stator includes by using an inductance measurement unit, an inductance distribution in the stator is obtained, the inductances varying in accordance with the positional relation between the stator and a mover having a magnetic flux generator. And based on the obtained inductance distribution the two dimensional position and yaw of a stage member is detected. By controlling the direction and amplitude of each of electric currents supplied to the coils based on the detection result, the position of the stage member is controlled. As a result, regardless of the position and yaw of the stage member, the position of the stage member can be controlled.